

Tran Xuan Son

Personal website

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EDUCATION

- **Hanoi University of Science and Technology (HUST)**
Bachelor of Mathematics and Informatics

Hanoi, VietNam

Oct. 2022 – Oct. 2026

EXPERIENCE

- **Mattech**
Backend Engineer

Hanoi, VietNam

March 2025 - July 2025

Feature Maintenance and Enhancement:

- Read internal documentation and system specifications
- Trained on business workflows and explored the codebase
- Maintained and improved existing features based on team feedback

Developed Feature to Extract Data from Delivery Receipt Images:

Purpose: Automated data extraction from delivery images to eliminate manual entry.

- Evaluated AI APIs (ChatGPT, Gemini, etc.) in terms of their ability to process images, extract information, handle multiple languages, and their pricing models
- Tested various APIs and selected the most suitable one for image processing
- Developed backend logic to handle prompt creation, third-party API calls, and JSON data parsing
- Integrated the new feature into the existing UI to ensure a seamless user experience

Implemented Facial Recognition System for Attendance:

Purpose: Automate attendance using facial recognition to support digital transformation.

- Built an automated attendance system serving over 1000 employees
- Explored computer vision concepts and tested models like YOLO, InsightFace, Buffalo, etc
- Built a backend service using FastAPI for facial authentication
- Developed APIs for image collection, face detection, and user verification
- Used Docker and Docker Compose for deployment; managed logs and exception handling
- Implemented Redis caching to reduce authentication requests and improve performance
- User and attendance data using SQLite

PROJECTS

• Build CI/CD:

- Built CI/CD pipelines across multiple platforms including GitHub Actions, GitLab CI/CD, and Jenkins
- Wrote Dockerfiles for project containerization
- Used virtual machines to simulate and deploy lab environments
- Installed and configured tools such as GitLab Server, GitLab Runner, Jenkins Server, Jenkins Agent, Docker Registry, and SonarQube Server
- Set up integrations for Slack and SMS notifications
- Implemented Unit Tests and Integration Tests

• Laptop Shop Website :

[Link Github](#)

- Developed a full-stack web application using Spring Boot (MVC, JSP)
- Implemented user authentication and role-based access control with Spring Security
- Built CRUD operations for users, products, and orders using Spring Data JPA
- Integrated file upload, search, sorting, and pagination for product management

TECHNICAL SKILLS

- **Languages:** Groovy, Python, JavaScript, SQL, Java, Bashscript **Tools:** Github, Gitlab, Jenkins, Docker
- **Frameworks and Libraries:** Spring, React, Fastapi, JSP **Operating Systems:** Windows, Linux (Ubuntu)